

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G11B27/32 G11B20/12 G11B20/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 971 349 A (HITACHI LTD) 12 January 2000 (2000-01-12) abstract paragraphs '0009! - '0012! paragraphs '0016! - '0024! figures 2-8 ----- EP 0 965 988 A (SAMSUNG ELECTRONICS CO LTD) 22 December 1999 (1999-12-22) abstract paragraphs '0001! - '0015! paragraphs '0049! - '0082! figures 1-7 ----- -/-	1,7-9
A		1,7-9

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
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- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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& document member of the same patent family

Date of the actual completion of the International search	Date of mailing of the International search report
26 October 2004	14/02/2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Sucher, R

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 09, 31 July 1998 (1998-07-31) & JP 10 092149 A (SONY CORP), 10 April 1998 (1998-04-10) abstract -----	1,7-9
A	EP 0 464 811 A (MATSUSHITA ELECTRIC IND CO LTD) 8 January 1992 (1992-01-08) paragraph '000A! column 4, line 33 - line 44 column 5, line 23 - column 7, line 40 figures 1-3 -----	1,7-9

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